

COATED MAGNETICALLY RESPONSIVE PARTICLES,  
AND EMBOLIC MATERIALS USING  
COATED MAGNETICALLY RESPONSIVE PARTICLES

ABSTRACT OF THE DISCLOSURE

An embolic material comprising a polymerizable hydrophobic suspension of coated magnetically responsive particles (e.g. magnetite  $\text{Fe}_3\text{O}_4$ ) suspended in a solvent monomer, a bulking agent, a radiopaque monomer, and an accelerant, and an initiator. The coated magnetically responsive particles preferably have a diameter of between about 20 and about 40 nm, and a magnetically responsive core with a diameter of between about 2 and about 20 nm.